

Special Issue

Symmetry and Asymmetry in Image Classification

Message from the Guest Editors

We are delighted to introduce a Special Issue of *Symmetry*, titled “Symmetry and Asymmetry in Image Classification”. Symmetry and asymmetry embody fundamental visual principles that profoundly influence how machines interpret and classify images. This collection invites contributions that examine how leveraging symmetrical structures—or intentionally incorporating asymmetrical patterns—can enhance classification robustness, accuracy, and efficiency. Topics of interest include symmetry-aware feature extraction, asymmetry-driven deep learning architectures, transformation-invariant classifiers, and applications spanning medical imaging, remote sensing, autonomous vision systems, and more. We welcome original research articles, comprehensive reviews, and innovative case studies that advance theoretical understanding or present novel practical applications. By illuminating how symmetry and asymmetry guide classification strategies, this Special Issue aims to provide a unique platform that bridges foundational research and cutting-edge solutions in image analysis.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

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